

Title (en)
SYSTEM AND METHODS FOR MANAGING BLOOD LOSS OF A PATIENT

Title (de)
SYSTEM UND VERFAHREN ZUR VERWALTUNG VON BLUTVERLUST EINES PATIENTEN

Title (fr)
SYSTÈME ET PROCÉDÉS POUR GÉRER UNE PERTE DE SANG CHEZ UN PATIENT

Publication
EP 4033405 A1 20220727 (EN)

Application
EP 22160657 A 20130514

Priority

- US 201261646822 P 20120514
- US 201261722780 P 20121105
- US 201361776577 P 20130311
- EP 19171975 A 20130514
- EP 13790688 A 20130514
- US 2013040976 W 20130514

Abstract (en)
A method for managing blood loss of a patient comprises tracking a quantity of a fluid administered to the patient intravenously, receiving an image of a physical sample, extracting a feature from an area of the image correlated with the physical sample, estimating a red blood cell content of the physical sample based on the extracted feature, estimating an extracorporeal blood content of the physical sample based on the estimated red blood cell content of the physical sample, and estimating a hematocrit of the patient based on a previous hematocrit of the patient, the quantity of the fluid administered to the patient, and the estimated extracorporeal blood content of the physical sample.

IPC 8 full level
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Citation (applicant)

- US 61722780 P
- US 201213544646 A 20120709
- US 201213544646 A 20120709
- US 201313738919 A 20130110

Citation (search report)

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- [A] US 2010027868 A1 20100204 - KOSAKA TOKIHIRO [JP], et al
- [A] WO 9217787 A1 19921015 - UNIV SOUTH ALABAMA [US]
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Designated contracting state (EPC)
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US 2013303870 A1 20131114; US 9936906 B2 20180410; CN 104661582 A 20150527; CN 104661582 B 20180727; EP 2849634 A1 20150325; EP 2849634 A4 20151223; EP 2849634 B1 20190501; EP 3576018 A1 20191204; EP 3576018 B1 20220316; EP 4033405 A1 20220727; EP 4033405 B1 20240612; IN 10121DEN2014 A 20150821; JP 2015522311 A 20150806; JP 2017038943 A 20170223; JP 6021237 B2 20161109; JP 6306116 B2 20180404; US 10863933 B2 20201215; US 11712183 B2 20230801; US 2019008427 A1 20190110; US 2021059584 A1 20210304; WO 2013173356 A1 20131121

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US 201313894054 A 20130514; CN 201380036917 A 20130514; EP 13790688 A 20130514; EP 19171975 A 20130514; EP 22160657 A 20130514; IN 10121DEN2014 A 20141127; JP 2015512761 A 20130514; JP 2016192540 A 20160930; US 2013040976 W 20130514; US 201815943561 A 20180402; US 202017096716 A 20201112